

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SDS n° : FP13881

Page 1 / 10

Former date 22-Dec-2010

Revision Date 19-Jul-2011

Version: 2

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product name

Chemical Name

Pure substance/mixture

REACH Registration Number

Substance

- This substance is exempt from registration according to Regulation (EC) No. 1907/2006 (REACH)

### Relevant identified uses of the substance or mixture and uses advised against

Sector of use

Feedstock for the production of coatings, inks and adhesives.

### Details of the supplier of the safety data sheet

Supplier

For further information, please contact

E-mail address

Internet Address

Emergency telephone number

European emergency phone number : 112

For UK : National Chemical Emergency Centre Tel: 01865 407 333

## 2. HAZARDS IDENTIFICATION

### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Symbol(s)

Xi - Irritant

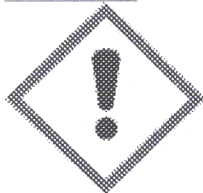
R-code(s)

Xi;R36/38 - R43

**Classification of the substance or mixture - GHS/CLP (n° 1272/2008)**

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Skin Sensitization	Category 1

### Labelling



Signal word

Warning

384662 001965

33/52

000079

Former date 22-Dec-2010

Revision Date 19-Jul-2011

Version: 2

**Hazard statements**

H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation

**Precautionary statements**

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337 + P313 - If eye irritation persists: Get medical advice/ attention  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention

**Other hazards**

None known.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous components**

Chemical Name	EC-No	REACH Registration Number	CAS-No	Weight percent	Classification (67/548)	GHS Classification
	-	no data available	-	80-90	Xi;R36/38	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)
Glycerol, propoxylated, esters with acrylic acid	500-114-5	01-2119487948-1 2	52408-84-1	10-20	Xi;R36 R43	Skin Sens. 1 (H317) Eye Irrit. 2A (H319)

For the full text of the H-Statements mentioned in this Section, see Section 16

**4. FIRST AID MEASURES****Description of first aid measures****General advice**

Show this safety data sheet to the doctor in attendance

**Eye Contact**

Rinse thoroughly with plenty of water, also under the eyelids  
Keep eye wide open while rinsing  
If symptoms persist, call a physician

**Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes  
If symptoms persist, call a physician

**Inhalation**

Move to fresh air  
If symptoms persist, call a physician

**Ingestion**

Rinse mouth  
Do NOT induce vomiting  
If symptoms persist, call a physician

**Protection of first-aiders**

Use personal protective equipment

**Most important symptoms/effects, acute and delayed****Indication of immediate medical attention and special treatment needed, if necessary****5. FIRE-FIGHTING MEASURES**

Former date 22-Dec-2010

Revision Date 19-Jul-2011

Version: 2

### Extinguishing media

**Suitable extinguishing media** Use CO2, dry chemical, or foam.

**Extinguishing Media Which Must not be Used for Safety Reasons** Do not use a solid water stream as it may scatter and spread fire.

### Special hazards arising from the substance or mixture

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases** Heating or fire can release toxic gas

### Precautions for fire-fighters

**Special protective equipment for fire-fighters** Wear self-contained breathing apparatus and protective suit.

**Other information** Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations  
Cool containers / tanks with water spray

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment  
Avoid contact with the skin and the eyes  
Remove all sources of ignition  
Heat, flames and sparks  
Ensure adequate ventilation

### Environmental precautions

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas  
Do not allow material to contaminate ground water system

### Methods and materials for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so

**Methods for cleaning up** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13)  
Use clean non-sparking tools to collect absorbed material

## 7. HANDLING AND STORAGE

### Handling

384662 001966

35/52

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Former date 22-Dec-2010

Revision Date 19-Jul-2011

Version: 2

**Precautions for safe handling**

The product may be heated at 80 °C in the original container for maximum 5 days  
Ensure adequate ventilation  
Wear personal protective equipment  
Avoid contact with skin, eyes and clothing  
Do not eat, drink or smoke when using this product  
There is a hazard associated with rags, paper or any other material used to remove spills which become soaked with product. Avoid accumulation of these: they are to be disposed off safely after use  
Avoid static electricity build up with connection to earth

**Prevention of fire and explosion**

Keep away from open flames, hot surfaces and sources of ignition Make sure of the presence of air and inhibitor in the drums

**Conditions for safe storage, including any incompatibilities****Technical measures/Storage conditions**

Keep container tightly closed in a dry and well-ventilated place  
Ensure all equipment is electrically grounded before beginning transfer operations  
Protect from frost, heat and sunlight  
Keep at temperatures below 45°C

**Materials to avoid**

Acids, Bases, Oxidizing agents, Reducing agents

**Packageing material**

Baked phenolic lined carbon steel drums, Plastic drum

**Unsuitable materials for containers** copper Iron**Further Information**

Respect the advised storage time (6 months after delivery date)

**Specific end uses****8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

**Occupational Exposure limits** Contains no substances with occupational exposure limit values.

**Special hazards arising from the substance or mixture**

Not applicable

**Legend:**

+	Sensitisers
*	Skin designation
**	Hazard Designation
C:	Carcinogen
M:	Mutagen
R:	Toxic to reproduction

**Biological standards****Glycerol, propoxylated, esters with acrylic acid (52408-84-1)**

Type	DNEL Oral	DNEL Dermal	DNEL Inhalation	Remark
Workers - Long Term - Systemic effect		1.92 mg/Kg bw/day	16.22 mg/m <sup>3</sup>	

Former date 22-Dec-2010

Revision Date 19-Jul-2011

Version: 2

General Population - Long Term - Systemic effect	1.39 mg/m <sup>3</sup>	1.15 mg/Kg bw/day	4.87 mg/m <sup>3</sup>	
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**Glycerol, propoxylated, esters with acrylic acid (52408-84-1)**

Exposure	Type	PNEC	Method
Terrestrial Compartment	PNEC Soil	0.00111 mg/Kg soil dw	Derived calculation
Fresh water	PNEC Sediment	0.01697 mg/Kg sediment dw	Derived calculation
Marine water	PNEC Sediment	0.001697 mg/Kg sediment dw	Derived calculation
Fresh water	PNEC Aqua	0.00574 mg/L	Derived calculation
Marine water	PNEC Aqua	0.000574 mg/L	Derived calculation
Intermittent use/release	PNEC Aqua	0.0574 mg/L	Derived calculation
Microbiological Activity in Sewage Treatment Systems	PNEC STP	10 mg/L	OECD 209
Secondary Poisoning	PNEC Oral	5.6 mg/Kg food	Derived calculation

**Exposure controls****Occupational exposure controls****Engineering measures**

Apply technical measures to comply with the occupational exposure limits  
When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment

**Hygiene measures**

When using, do not eat, drink or smoke  
Remove and wash contaminated clothing before re-use  
Wash hands before breaks and immediately after handling the product  
Wear suitable gloves and eye/face protection

**Personal protective equipment****General Information**

Use personal protective equipment in good condition.

**Respiratory protection**

None under normal use conditions.

**Eye protection**

Safety glasses with side-shields

Contact lenses should not be worn when working with this chemical

**Skin and body protection**

Long sleeved clothing

**Hand protection**

Do not use natural rubber gloves, wear nitrile gloves, Products used with solvents : wear thick (>0.5 mm) nitrile gloves, Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility, etc) is noticed

**Environmental exposure controls**

**Environmental exposure controls** Do not allow material to contaminate ground water system.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

Property	Values	Remark
Appearance		
Physical State		
Particle size		
Odour		
Odour Threshold		
pH		
pH (as aqueous solution)		
Melting point/range		
Freezing point		
Boiling point		
Flash point		
Evaporation rate		
Flammability Limits in Air		

Former date 22-Dec-2010

Revision Date 19-Jul-2011

Version: 2

upper

lower

Explosive properties

Vapour pressure

Vapour density

Density

Water solubility

Solubility in other solvents

Partition coefficient:

n-octanol/water

Autoignition temperature

Decomposition temperature

Viscosity

Oxidizing properties

Other informationPropertyValuesRemark

Dissociation constant (Henry)

Specific Gravity

Bulk density

Softening point

**10. STABILITY AND REACTIVITY**ReactivityChemical stabilityStability

Stable under recommended storage conditions.

Possibility of hazardous reactionsHazardous polymerisation

Inhibitors have been added to stabilize this product Maintaining air in the storage containers is important to keep inhibitors active

Conditions to avoidConditions to avoid

Heat, flames and sparks

Take precautionary measures against static charges

Materials to avoidMaterials to avoid

Acids, Bases, Oxidizing agents, Reducing agents

Hazardous decomposition productsHazardous decomposition products

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide

**11. TOXICOLOGICAL INFORMATION**Information on toxicological effectsAcute toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation	Read-across (Analogy)
Glycerol, propoxylated, esters with acrylic acid 52408-84-1	> 2000 mg/Kg bw (Rat) OECD 401	> 2000 mg/Kg bw (Rabbit) OECD 402	No data available	

384662 001967

38/52

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Former date 22-Dec-2010

Revision Date 19-Jul-2011

Version: 2

**Skin corrosion/irritation**

Chemical Name	Skin corrosion/irritation	Read-across (Analogy)
	Irritating to skin	
Glycerol, propoxylated, esters with acrylic acid 52408-84-1	No skin irritation OECD 404 rabbit	

**Serious Eye Damage/Eye Irritation**

Chemical Name	Serious Eye Damage/Eye Irritation	Read-across (Analogy)
	Severe eye irritation	
Glycerol, propoxylated, esters with acrylic acid 52408-84-1	Irritating to eyes OECD 405 (Rat)	

**Respiratory or skin sensitisation**

Chemical Name	Respiratory or skin sensitisation	Read-across (Analogy)
Glycerol, propoxylated, esters with acrylic acid 52408-84-1	May cause sensitisation by skin contact OECD 429 mouse	

**No observed adverse effect level (NOAEL)**

Chemical Name	Oral	Dermal	Inhalation
Glycerol, propoxylated, esters with acrylic acid 52408-84-1	250 mg/Kg bw/day (Rat) 28 days OECD 422 Read across with Cas N° : 13048-33-4	LOAE = 500 mg/Kg bw/day (Rabbit) 14 days OECD 410	No data available

**Mutagenic Effects**

Chemical Name	Ames test	Read-across (Analogy)
Glycerol, propoxylated, esters with acrylic acid 52408-84-1	negative In vitro gene mutation study in bacteria OECD 471	

Chemical Name	In vitro study	Read-across (Analogy)
Glycerol, propoxylated, esters with acrylic acid 52408-84-1	negative Chromosome aberration test in vitro OECD 473	

Chemical Name	Mutagenicity (in vitro mammalian cytogenetic test)	Read-across (Analogy)
Glycerol, propoxylated, esters with acrylic acid 52408-84-1	negative In vitro gene mutation study in mammalian cells OECD 476	

Chemical Name	Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis)	Read-across (Analogy)
Glycerol, propoxylated, esters with acrylic acid 52408-84-1	negative OECD 474 Read across with Cas N° : 15625-89-5	

**Carcinogenicity**

Contains no ingredient listed as a carcinogen.

Former date 22-Dec-2010

Revision Date 19-Jul-2011

Version: 2

**Glycerol, propoxylated, esters with acrylic acid (52408-84-1)**

Exposure routes	Method	Species	Dose	Evaluation
Dermal	OECD 451	mouse	NOAEL = 19.5 mg/Kg bw/day (94 weeks)	

**Reproductive toxicity****Glycerol, propoxylated, esters with acrylic acid (52408-84-1)**

Exposure routes	Method	Species	Dose	Evaluation
Oral	OECD 422	rat	NOAEL (reproductive) = 750 mg/Kg bw/day Read across with Cas N° : 13048-33-4	negative
Oral	OECD 414	rat	NOAEL (embryogenicity) = 1000 mg/Kg bw/day NOAEL (maternal toxicity) = 1000 mg/Kg bw/day	negative

**Specific Target Organ Toxicity (Single Exposure)**      None known

**Specific Target Organ Toxicity (Repeated Exposure)**      None known.

**Aspiration hazard**      No information available

**12. ECOLOGICAL INFORMATION****Toxicity**

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates.	Toxicity to fish	Toxicity to microorganisms
Glycerol, propoxylated, esters with acrylic acid 52408-84-1	EC50 (72h) = 12.2 mg/L NOEC (72h) = 20.6 mg/L OECD 201	EC50 (48h) = 91.4 mg/L Immobilization test OECD 202	LC50 (96h) = 5.74 mg/L Test (static) OECD 203	

**Persistence and degradability**

Chemical Name	Degradation	Evaluation
Glycerol, propoxylated, esters with acrylic acid 52408-84-1	Hydrolysis rate constant : 512 days (12°C) OECD 111	

Chemical Name	Biodegradation	Evaluation
Glycerol, propoxylated, esters with acrylic acid 52408-84-1	Adsorption/Desorption : 79% (HPLC method) OECD 121 (Activated sludge)	Readily biodegradable

**Bioaccumulative potential**

No information available.

**Mobility in soil**

Chemical Name	LogKoc
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Former date 22-Dec-2010

Revision Date 19-Jul-2011

Version: 2

Glycerol, propoxylated, esters with acrylic acid 52408-84-1	2 (25°C)
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Results of PBT and vPvB assessmentOther adverse effects

None known.

**13. DISPOSAL CONSIDERATIONS**Waste treatment**Waste from Residues/Unused Products**

Should not be released into the environment  
Dispose of in accordance with the European Directives on waste and hazardous waste

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Other information**

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific  
Waste codes should be assigned by the user based on the application for which the product was used

**14. TRANSPORT INFORMATION**

ADR/RID not regulated

IMDG/IMO not regulated

ICAO/IATA not regulated

ADN not regulated

Special precautions for users**15. REGULATORY INFORMATION**

The substance/preparation is classified as dangerous in accordance with Directive(s) 67/548/EEC with amendments and/or 1999/45/EC with amendments.

Safety, health and environmental regulations/legislation specific for the substance or mixtureEuropean UnionNational regulatory informationThe United Kingdom

Avoid exceeding of the given occupational exposure limits (see section 8).

Ireland

Former date 22-Dec-2010

Revision Date 19-Jul-2011

Version: 2

Avoid exceeding of the given occupational exposure limits (see section 8).

### Chemical Safety Assessment

No information available

## 16. OTHER INFORMATION

### Full text of H-Statements referred to under sections 2 and 3

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

### Full text of R-phrases referred to under sections 2 and 3

R43 - May cause sensitisation by skin contact

R36 - Irritating to eyes

R36/38 - Irritating to eyes and skin.

Former date

22-Dec-2010

Revision Date

19-Jul-2011

Revision Note

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

### Disclaimer

This information applies to the PRODUCT AS SUCH and conforming to specifications of In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear. The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product. It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

End of Safety Data Sheet